

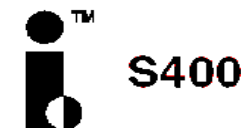
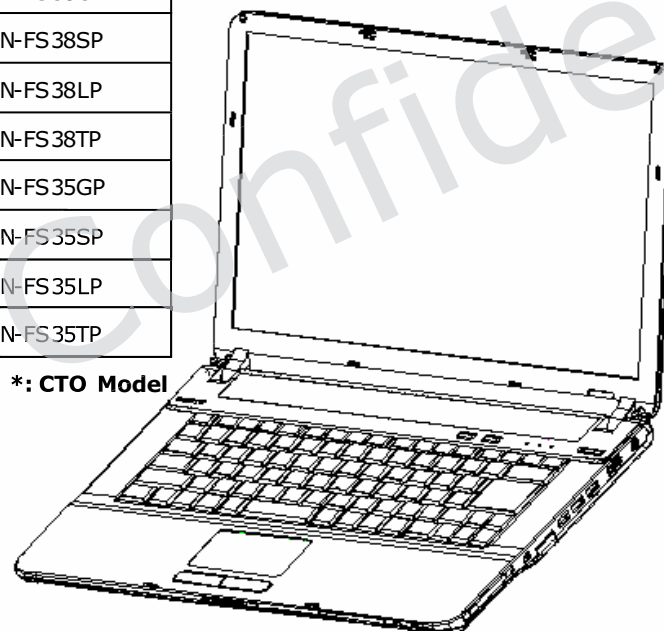
# SERVICE MANUAL

Ver.4-2005K

## Revision History

|           |              |           |               |           |            |
|-----------|--------------|-----------|---------------|-----------|------------|
| <b>J</b>  | VGN-FS52B    | <b>AM</b> | VGN-FS750F    | <b>EU</b> | VGN-FS315S |
|           | VGN-FS22B    |           | VGN-FS730F    |           | VGN-FS38C  |
|           | VGN-FS32B    |           | VGN-FS715F    |           | VGN-FS35C  |
|           | VGN-FS22VB   |           | VGN-FS755FP   |           | VGN-FS38GP |
|           | VGN-FS92S    |           | VGN-FS740FP   |           | VGN-FS38SP |
|           | VGN-FS92PS * |           | VGN-FS710FP   |           | VGN-FS38LP |
|           | VGN-FS92S *  |           | VGN-FS760Q    |           | VGN-FS38TP |
| <b>AM</b> | VGN-FS780    |           | VGN-FS740Q    | <b>AO</b> | VGN-FS35GP |
|           | VGN-FS760    |           | VGN-FS790P *  |           | VGN-FS35SP |
|           | VGN-FS740    |           | VGN-FS790B *  |           | VGN-FS35LP |
|           | VGN-FS720    |           | VGN-FS790 *   |           | VGN-FS35TP |
|           | VGN-FS775P   |           | VGN-FS790BH * |           |            |
|           | VGN-FS745P   |           | VGN-FS315Z    |           |            |
|           | VGN-FS770    |           | VGN-FS395VP   |           |            |
|           | VGN-FS750P   | <b>EU</b> | VGN-FS315M    |           |            |
|           | VGN-FS730    |           | VGN-FS315B    |           |            |
|           | VGN-FS715    |           | VGN-FS315E    |           |            |
|           | VGN-FS742    |           | VGN-FS315SR   |           |            |
|           | VGN-FS710    |           | VGN-FS315MR   |           |            |
|           | VGN-FS770FG  |           | VGN-FS315H    |           |            |

\*: CTO Model



- Design and specifications are subject to change without notice.

PERSONAL COMPUTER

SONY®

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#### **Caution Markings for Lithium/Ion Battery-**

The following or similar texts shall be provided on battery pack of equipment or in both the operating and the service instructions.

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the Manufacturer's

CAUTION: The battery pack used in this device may present a fire or chemical burn hazard if mistreated. Do not disassemble, heat above 100°C (212°F) or incinerate. Dispose of used battery promptly. Keep Away from children..

CAUTION: Changing the back up battery.

- Overcharging, short circuiting, reverse charging, mutilation or incineration of the cells must be avoided to prevent one or more of the following occurrences; release of toxic materials, release of hydrogen and/or oxygen gas, rise in surface temperature.
- If a cell has leaked or vented, it should be replaced immediately while avoiding to touch it without any protection..

## **Service and Inspection Precautions**

### **\*1. Obey precautionary markings and instructions**

\* Labels and stamps on the cabinet, chassis, and components are as requiring special precautions. Be sure to observe these precautions, as well as all precautions listed in the operating manual and other associated documents..

### **\*2. Use designated parts only**

\* The set's components possess important safety characteristics, such as noncombustibility and the ability to tolerate large voltages.

- Be sure that replacement parts possess the same safety characteristics as the originals. Also remember that the mark, which appears in circuit diagrams and parts lists, denotes components that have particularly important safety functions be extra sure to use only the designated components.

### **\*3. Always follow the original design when mounting parts and routing wires**

\* The original layout includes various safety features, such as inclusion of insulating materials (tubes and tape) and the mounting of parts above the printer board. In addition, internal wiring has been routed and clamped so as to keep it

away from hot or high-voltage parts. When mounting parts or routing wires, therefore, be sure to duplicate the original layout.

### **4. Inspect after completing service**

After servicing, inspect to make sure that all screws, components, and wiring have been returned to their original condition. Also check the area around the repair location to ensure that repair work has caused no damage, and confirm safety.

### **5. When replacing chip components..**

Never reuse components. Also remember that the negative side of tantalum capacitors is easily damaged by heat.,

### **6. When handling flexible print boards..**

- The temperature of the soldering-iron tip should be about 270°C.
- Do not apply the tip more than three times to the same pattern.
- Handle patterns with care; never apply force

Caution: Remember that hard disk drives are easily damaged by vibration. Always handle with care.

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History of the changes is shown as the  
"Revision History" at the end of this data.

# CHAPTER 1. SPECIFICATIONS

## 1-1. Specifications

|                       | J                           |                            |                            |                            |                            |  |
|-----------------------|-----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|--|
|                       | VGN-FS52B                   | VGN-FS22B                  | VGN-FS32B                  | VGN-FS22VB                 | VGN-FS92S                  | VGN-F992P/F992S*                                 |
| CPU                   | Pentium-M 750(Do1.86)       | Celeron-M 360(Do1.4)       | Celeron-M 370(Do1.5)       | Celeron-M 360(Do1.4)       | Celeron-M 360(Do1.4)       | *1)  |
| Graphic               | 915GM                       | 910GML                     | 910GML                     | 910GML                     | 910GML                     | *2)  |
| LCD                   | 15.4"WXGA<br>(Clear Black)  | 15.4"WXGA<br>(Clear Black) | 15.4"WXGA<br>(Clear Black) | 15.4"WXGA<br>(Clear Black) | 15.4"WXGA<br>(Clear Black) | *3)  |
| HDD                   | 100GB                       | 80GB                       | 100GB                      | 80GB                       | 40GB                       | *4)  |
| MEMORY(Slot1)         | 512MB DDR333                | 512MB DDR333               | 512MB DDR333               | 512MB DDR333               | 256MB DDR333               | *5)  |
| MEMORY(Slot2)         | -                           | -                          | -                          | -                          | 256MB DDR333               |  |
| QUANTITY(STANDARD)    | 512MB/2GB                   | 512MB/2GB                  | 512MB/2GB                  | 512MB/2GB                  | 512MB/2GB                  |  |
| OPT-DRIVE             | Super Multi<br>Drive +/- DL | Super Multi<br>Drive DL    | Super Multi<br>Drive DL    | Super Multi<br>Drive DL    | Combo                      | Super Multi<br>Drive +/-<br>DL/Combo/DVD<br>-ROM |
| AC adaptor            | AC19V11                     | AC19V11                    | AC19V11                    | AC19V9                     | AC19V11                    | AC19V11  |
| Battery               | BP2SA                       | BP2SA                      | BP2SA                      | BP2SA                      | BP2SA                      | BP2SA  |
| Wireless LAN          | O                           | O                          | O                          | O                          | O                          | O/X  |
| Memory Card Adapter   | O                           | O                          | O                          | O                          | O                          | O  |
| USB FLOPPY DISK DRIVE | O                           | X                          | O                          | X                          | X                          | X  |
| OS                    | XP Home                     | XP Home                    | XP Home                    | XP Home                    | XP Home                    | XP Home/XP Pro                                   |

\*1)Celeron-M 360J, Pentium-M 740, Pentium-M750, Pentium-M 770 \*2)NV44M, 915GM, 910GML \*3)15.4"WSXGA+(CB), 15.4"WXGA(HC) \*4)120GB, 100GB, 80GB, 60GB, 40GB \*5)512MB\*2, 256MB\*2, 256MB\*1

\*6)Celeron-M 370, Pentium-M 740, Pentium-M 750, Pentium-M 760, Pentium-M 770, Pentium-M780 \*7)NV44M, 915GM, 910GML \*8)120GB, 100GB, 80GB, 60GB, 40GB

\*9)1024\*1, 1024\*2, 512MB\*1, 512MB\*2, 256MB\*2, 256\*1 \*10)Combo, DVD +/-RW DL, DVD-ROM \*11) 802.11b/g, 802.11a/b/g

|                       | AM                         |                            |                                |                                |                            |                            |                            |                            |                                |                                |                            |                                |                            |                                |                                |                                |                                |                                |                                |                            |                                |  |
|-----------------------|----------------------------|----------------------------|--------------------------------|--------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|--------------------------------|--------------------------------|----------------------------|--------------------------------|----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------------------------|--------------------------------|--|
|                       | VGN-FS780                  | VGN-FS760                  | VGN-FS740                      | VGN-FS720                      | VGN-FS775P                 | VGN-FS745P                 | VGN-FS770                  | VGN-FS750P                 | VGN-FS730                      | VGN-FS715                      | VGN-FS742                  | VGN-FS710                      | VGN-FS770FG                | VGN-FS750F                     | VGN-FS730F                     | VGN-FS715F                     | VGN-FS755FP                    | VGN-FS740FP                    | VGN-FS710FP                    | VGN-FS760Q                 | VGN-FS740Q                     | VGN-FS740Q                                   |
| CPU                   | Pentium-M 750(Do1.86)      | Pentium-M 750(Do1.86)      | Pentium-M 740(Do1.73)          | Pentium-M 740(Do1.73)          | Pentium-M 760(Do2.0)       | Pentium-M 740(Do1.73)      | Pentium-M 750(Do1.86)      | Pentium-M 750(Do1.86)      | Pentium-M 740(Do1.73)          | Pentium-M 740(Do1.73)          | Pentium-M 740(Do1.73)      | Celeron-M 370J(Do1.5)          | Pentium-M 750(Do1.86)      | Pentium-M 740(Do1.73)          | Pentium-M 740(Do1.73)          | Celeron-M 370J(Do1.5)          | Pentium-M 750(Do1.86)          | Pentium-M 740(Do1.73)          | Celeron-M 370J(Do1.5)          | Pentium-M 750(Do1.86)      | Pentium-M 740(Do1.73)          | *6)  |
| Graphic               | NV44M                      | NV44M                      | 915GM                          | 915GM                          | NV44M                      | NV44M                      | 915GM                      | 915GM                      | 915GM                          | 915GM                          | 915GM                      | 910GML                         | 915GM                      | 915GM                          | 915GM                          | 910GML                         | 915GM                          | 915GM                          | 910GML                         | NV44M                      | 915GM                          | *7)  |
| LCD                   | 15.4"WXGA<br>(Clear Black) | 15.4"WXGA<br>(Clear Black) | 15.4"WXGA<br>(High Brightness) | 15.4"WXGA<br>(High Brightness) | 15.4"WXGA<br>(Clear Black) | 15.4"WXGA<br>(Clear Black) | 15.4"WXGA<br>(Clear Black) | 15.4"WXGA<br>(Clear Black) | 15.4"WXGA<br>(High Brightness) | 15.4"WXGA<br>(High Brightness) | 15.4"WXGA<br>(Clear Black) | 15.4"WXGA<br>(High Brightness) | 15.4"WXGA<br>(Clear Black) | 15.4"WXGA<br>(High Brightness) | 15.4"WXGA<br>(High Brightness) | 15.4"WXGA<br>(High Brightness) | 15.4"WXGA<br>(High Brightness) | 15.4"WXGA<br>(High Brightness) | 15.4"WXGA<br>(High Brightness) | 15.4"WXGA<br>(Clear Black) | 15.4"WXGA<br>(High Brightness) | 15.4"WXGA<br>(Clear Black)/(High Brightness) |
| HDD                   | 120GB                      | 100GB                      | 80GB                           | 60GB                           | 100GB                      | 80GB                       | 100GB                      | 100GB                      | 80GB                           | 60GB                           | 80GB                       | 100GB                          | 100GB                      | 100GB                          | 80GB                           | 60GB                           | 100GB                          | 80GB                           | 100GB                          | 100GB                      | 80GB                           | *8)  |
| MEMORY(Slot1)         | 512MB DDR333               | 512MB DDR333               | 256MB DDR333                   | 256MB DDR333                   | 512MB DDR333               | 512MB DDR333               | 512MB DDR333               | 512MB DDR333               | 256MB DDR333                   | 256MB DDR333                   | 256MB DDR333               | 256MB DDR333                   | 512MB DDR333               | 512MB DDR333                   | 256MB DDR333                   | 256MB DDR333                   | 512MB DDR333                   | 256MB DDR333                   | 256MB DDR333                   | 512MB DDR333               | 256MB DDR333                   | *9)  |
| MEMORY(Slot2)         | 512MB DDR333               | -                          | 256MB DDR333                   | 256MB DDR333                   | 512MB DDR333               | -                          | 512MB DDR333               | -                          | 256MB DDR333                   | 256MB DDR333                   | 256MB DDR333               | 256MB DDR333                   | 512MB DDR333               | 512MB DDR333                   | 256MB DDR333                   | 256MB DDR333                   | 512MB DDR333                   | 256MB DDR333                   | 256MB DDR333                   | 512MB DDR333               | 256MB DDR333                   |  |
| QUANTITY(STANDARD)    | 1GB/2GB                    | 512MB/2GB                  | 512MB/2GB                      | 512MB/2GB                      | 1GB/2GB                    | 512MB/2GB                  | 1GB/2GB                    | 512MB/2GB                  | 512MB/2GB                      | 512MB/2GB                      | 512MB/2GB                  | 512MB/2GB                      | 1GB/2GB                    | 1GB/2GB                        | 512MB/2GB                      | 512MB/2GB                      | 1GB/2GB                        | 512MB/2GB                      | 512MB/2GB                      | 512MB/2GB                  | 512MB/2GB                      |  |
| OPT-DRIVE             | DVD +/-RW DL               | DVD +/-RW DL               | DVD +/-RW DL                   | Combo                          | DVD +/-RW DL               | DVD +/-RW DL               | DVD +/-RW DL               | DVD +/-RW DL               | Combo                          | Combo                          | DVD +/-RW DL               | DVD +/-RW DL                   | DVD +/-RW DL               | DVD +/-RW DL                   | DVD +/-RW DL                   | DVD +/-RW DL                   | DVD +/-RW DL                   | Combo                          | Combo                          | DVD +/-RW DL               | DVD +/-RW DL                   | *10)   |
| AC adaptor            | AC19V9                     | AC19V11                    | AC19V11                        | AC19V11                        | AC19V11                    | AC19V11                    | AC19V11                    | AC19V11                    | AC19V11                        | AC19V11                        | AC19V11                    | AC19V11                        | AC19V9                     | AC19V10                        | AC19V10                        | AC19V10                        | AC19V10                        | AC19V10                        | AC19V10                        | AC19V11                    | AC19V11                        | AC19V10                                      |
| Battery               | BP2SA                      | BP2SA                      | BP2SA                          | BP2SA                          | BP2SA                      | BP2SA                      | BP2SA                      | BP2SA                      | BP2SA                          | BP2SA                          | BP2SA                      | BP2SA                          | BP2SA                      | BP2SA                          | BP2SA                          | BP2SA                          | BP2SA                          | BP2SA                          | BP2SA                          | BP2SA                      | BP2SA                          | BP2SA  |
| Wireless LAN          | O                          | O                          | O                              | O                              | O                          | O                          | O                          | O                          | O                              | O                              | O                          | O                              | O                          | O                              | O                              | O                              | O                              | O                              | O                              | O                          | O                              | *11)   |
| Memory Card Adapter   | X                          | X                          | X                              | X                              | X                          | X                          | X                          | X                          | X                              | X                              | X                          | X                              | X                          | X                              | X                              | X                              | X                              | X                              | X                              | X                          | X                              | X  |
| USB FLOPPY DISK DRIVE | X                          | X                          | X                              | X                              | X                          | X                          | X                          | X                          | X                              | X                              | X                          | X                              | X                          | X                              | X                              | X                              | X                              | X                              | X                              | X                          | X                              | X  |
| OS                    | XP Home                    | XP Home                    | XP Home                        | XP Home                        | XP Pro                     | XP Pro                     | XP Home                    | XP Pro                     | XP Home                        | XP Home                        | XP Home                    | XP Home                        | XP Home                    | XP Home                        | XP Home                        | XP Home                        | XP Pro                         | XP Pro                         | XP Pro                         | XP Home                    | XP Home                        | XP Pro/XP Home                               |

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• The model that is accompanied by asterisk(\*) is the CTO model.

For the equipment configuration, refer to the CTO Information.

• The trademarks or registered trademarks of above ,refer to page2.

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| EU                     |                            |                            |                            |                            |                            |                            |                            |                            |                            |
|------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|                        | VGN-FS315Z                 | VGN-FS395VP                | VGN-FS315M                 | VGN-FS315B                 | VGN-FS315E                 | VGN-FS315SR                | VGN-FS315MR                | VGN-FS315H                 | VGN-FS315S                 |
| CPU                    | Pentium-M<br>740(Do1.73)   | Pentium-M<br>740(Do1.73)   | Pentium-M<br>740(Do1.73)   | Pentium-M<br>740(Do1.73)   | Celeron-M<br>380(Do1.6)    | Pentium-M<br>750(Do1.86)   | Pentium-M<br>740(Do1.73)   | Pentium-M<br>740(Do1.73)   | Pentium-M<br>750(Do1.86)   |
| Graphic                | NV44M                      | NV44M                      | NV44M                      | 915GM                      | 910GML                     | NV44M                      | NV44M                      | NV44M                      | NV44M                      |
| LCD                    | 15.4"WXGA<br>(Clear Black) | 15.4"WXGA<br>(Clear Black) | 15.4"WXGA<br>(Clear Black) | 15.4"WXGA<br>(Clear Black) | 15.4"WXGA<br>(Clear Black) | 15.4"WXGA<br>(Clear Black) | 15.4"WXGA<br>(Clear Black) | 15.4"WXGA<br>(Clear Black) | 15.4"WXGA<br>(Clear Black) |
| HDD                    | 120GB                      | 80GB                       | 80GB                       | 80GB                       | 80GB                       | 100GB                      | 80GB                       | 100GB                      | 100GB                      |
| MEMORY(Slot1)          | 512MB DDR333               | 512MB DDR333               | 512MB DDR333               | 512MB DDR333               | 256MB DDR333               | 512MB DDR333               | 512MB DDR333               | 512MB DDR333               | 512MB DDR333               |
| MEMORY(Slot2)          | 512MB DDR333               | -                          | -                          | -                          | 256MB DDR333               | 512MB DDR333               | -                          | 512MB DDR333               | 512MB DDR333               |
| QUANTITY(STANDARD/MAX) | 1GB/2GB                    | 512MB/2GB                  | 512MB/2GB                  | 512MB/2GB                  | 512MB/2GB                  | 1GB/2GB                    | 512MB/2GB                  | 1GB/2GB                    | 1GB/2GB                    |
| OPT-DRIVE              | DVD+-RW DL                 | DVD+-RW DL                 | DVD+-RW DL                 | DVD+-RW DL                 | DVD+-RW DL                 | DVD+-RW DL                 | DVD+-RW DL                 | DVD+-RW DL                 | DVD+-RW DL                 |
| AC adaptor             | AC19V9                     | AC19V11                    | AC19V11                    | AC19V11                    | AC19V11                    | AC19V12                    | AC19V12                    | AC19V11                    | AC19V11                    |
| Battery                | BP2SA                      | BP2SA                      | BP2SA                      | BP2SA                      | BP2SA                      | BP2SA                      | BP2SA                      | BP2SA                      | BP2SA                      |
| Wireless LAN           | O                          | O                          | O                          | O                          | O                          | O                          | O                          | O                          | O                          |
| Memory Card Adapter    | X                          | X                          | X                          | X                          | X                          | X                          | X                          | X                          | X                          |
| USB FLOPPY DISK DRIVE  | X                          | X                          | X                          | X                          | X                          | X                          | X                          | X                          | X                          |
| OS                     | XP Home                    | XP Pro                     | XP Home                    | XP Home                    | XP Home                    | XP Home                    | XP Home                    | XP Home                    | XP Home                    |

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|                        | AO                         |                            |                            |            |            |            |                                |            |            |            |
|------------------------|----------------------------|----------------------------|----------------------------|------------|------------|------------|--------------------------------|------------|------------|------------|
|                        | VGN-FS38C                  | VGN-FS35C                  | VGN-FS38GP                 | VGN-FS38SP | VGN-FS38LP | VGN-FS38TP | VGN-FS35GP                     | VGN-FS35SP | VGN-FS35LP | VGN-FS35TP |
| CPU                    | Pentium-M<br>760(Do2.0)    | Pentium-M<br>750(Do1.86)   | Pentium-M<br>770(Do2.13)   | <-         | <-         | <-         | Pentium-M<br>750(Do1.86)       | <-         | <-         | <-         |
| Graphic                | NV44M                      | NV44M                      | NV44M                      | <-         | <-         | <-         | NV44M                          | <-         | <-         | <-         |
| LCD                    | 15.4"WXGA<br>(Clear Black) | 15.4"WXGA<br>(Clear Black) | 15.4"WXGA<br>(Clear Black) | <-         | <-         | <-         | 15.4"WXGA<br>(High Brightness) | <-         | <-         | <-         |
| HDD                    | 80GB                       | 60GB                       | 100GB                      | <-         | <-         | <-         | 60GB                           | <-         | <-         | <-         |
| MEMORY(Slot1)          | 512MB DDR333               | 256MB DDR333               | 512MB DDR333               | <-         | <-         | <-         | 512MB DDR333                   | <-         | <-         | <-         |
| MEMORY(Slot2)          | -                          | 256MB DDR333               | -                          | <-         | <-         | <-         | -                              | <-         | <-         | <-         |
| QUANTITY(STANDARD/MAX) | 512MB/2GB                  | 512MB/2GB                  | 512MB/2GB                  | <-         | <-         | <-         | 512MB/2GB                      | <-         | <-         | <-         |
| OPT-DRIVE              | DVD+/-RW DL                | Combo                      | DVD+/-RW DL                | <-         | <-         | <-         | DVD+/-RW DL                    | <-         | <-         | <-         |
| AC adaptor             | AC19V10                    | AC19V10                    | AC19V10                    | <-         | <-         | <-         | AC19V10                        | <-         | <-         | <-         |
| Battery                | BP2SA                      | BP2SA                      | BP2SA                      | <-         | <-         | <-         | BP2SA                          | <-         | <-         | <-         |
| Wireless LAN           | O                          | O                          | O                          | <-         | <-         | <-         | O                              | <-         | <-         | <-         |
| Memory Card Adapter    | X                          | X                          | X                          | <-         | <-         | <-         | X                              | <-         | <-         | <-         |
| USB FLOPPY DISK DRIVE  | X                          | X                          | X                          | <-         | <-         | <-         | X                              | <-         | <-         | <-         |
| OS                     | XP Home                    | XP Home                    | XP Pro                     | <-         | <-         | <-         | XP Pro                         | <-         | <-         | <-         |

- The model that is accompanied by asterisk(\*) is the CTO model.  
For the equipment configuration, refer to the CTO Information.

- The trademarks or registered trademarks of above ,refer to page2.

△[COR]

1-2.CTO Information

Model name:VGN-FS92PS  
Model number:PCG-7D2N (W/ W-LAN), PCG-7D3N(W/O W-LAN)  
OS:WinXP Pro

|               |  |  |  |   |   |   |
|---------------|--|--|--|---|---|---|
| CPU           | Pentium-M 770<br>E-707-258-01<br>CPU PM 2.13                           | Pentium-M 750<br>E-707-258-01<br>CPU PM 1.86                         | Pentium-M 740<br>E-707-258-01<br>CPU PM 1.73                           | Celeron-M 360J<br>E-708-557-01<br>CPU CEL-M 1.4                       |   |   |
| HDD           | 120GB<br>ASSY HDD 120GB  | 100GB<br>ASSY HDD 100GB  | 80GB<br>ASSY HDD 80GB  | 60GB<br>ASSY HDD 60GB   | 40GB<br>ASSY HDD 40GB                                 | Note: Refer to "H-1.HDD" for part numbers.            |
| LCD           | 15.4"WSXGA+ClearBlack<br>A-1133-850-A<br>ASSY LCD (HC-SXGA+WLAN)(S)(W) | 15.4"WXGA+ClearBlack<br>A-1133-851-A<br>ASSY LCD (HC-XGA-WLAN)(S)(W) | 15.4"WSXGA+ClearBlack<br>A-1127-878-A<br>ASSY LCD (HC-SXGA+WLAN)(S)(G) | 15.4"WXGA+ClearBlack<br>A-1127-879-A<br>ASSY LCD (HC-WXGA-WLAN)(S)(G) |   |   |
| Graphics      | NV44M  | 915GM  | 910GML   |   |   |   |
| Memory        | 256MB*1  | 256MB*2  | 512MB*2  |   |   | Note: Refer to "M-1.Main Board" for part numbers.     |
| Opt.Drive     | Super Multi +/- DL<br>A-1156-463-A<br>ASSY ODD PANA(HMDL)(W)           | Super Multi +/- DL<br>A-1156-462-A<br>ASSY ODD PANA(HMDL)(G)         | Combo<br>A-1127-956-A<br>ASSY ODD QSI(SBW 243)(W)                      | Combo<br>A-1127-957-A<br>ASSY ODD QSI(SBW 243)(G)                     | DVD-ROM<br>A-1127-958-A<br>ASSY ODD Toshiba(C2732)(W) | DVD-ROM<br>A-1127-959-A<br>ASSY ODD Toshiba(C2732)(G) |
| W-LAN         | 802.11b(g)(int)l<br>1-781-864-611-621-631-64<br>WIRELESS LAN CARD      | 802.11b(g)(Ambit)<br>1-789-014-221-23<br>WIRELESS LAN CARD           | None   |   |   |   |
| Office        | 2003 Professional  | None   |  |   |   |   |
| Other Option  | Memory card adapter<br>1-478-615-11<br>MEMORY CARD ADAPTER             |  |  |   |   |   |
| CHASSIS COLOR | White  | Gray   |  |   |   |   |

Model name:VGN-FS92S  
Model number:PCG-7D2N (W/ W-LAN), PCG-7D3N(W/O W-LAN)  
OS:WinXP Home

|               |  |  |  |   |   |   |
|---------------|--|--|--|---|---|---|
| CPU           | Pentium-M 770<br>E-707-261-01<br>CPU PM 2.13                           | Pentium-M 750<br>E-707-258-01<br>CPU PM 1.86                         | Pentium-M 740<br>E-707-258-01<br>CPU PM 1.73                           | Celeron-M 360J<br>E-708-557-01<br>CPU CEL-M 1.4                       |   |   |
| HDD           | 120GB<br>ASSY HDD 120GB  | 100GB<br>ASSY HDD 100GB  | 80GB<br>ASSY HDD 80GB  | 60GB<br>ASSY HDD 60GB   | 40GB<br>ASSY HDD 40GB                                 | Note: Refer to "H-1.HDD" for part numbers.            |
| LCD           | 15.4"WSXGA+ClearBlack<br>A-1133-850-A<br>ASSY LCD (HC-SXGA+WLAN)(S)(W) | 15.4"WXGA+ClearBlack<br>A-1133-851-A<br>ASSY LCD (HC-XGA-WLAN)(S)(W) | 15.4"WSXGA+ClearBlack<br>A-1127-878-A<br>ASSY LCD (HC-SXGA+WLAN)(S)(G) | 15.4"WXGA+ClearBlack<br>A-1127-879-A<br>ASSY LCD (HC-WXGA-WLAN)(S)(G) |   |   |
| Graphics      | NV44M  | 915GM  | 910GML   |   |   |   |
| Memory        | 256MB*1  | 256MB*2  | 512MB*2  |   |   | Note: Refer to "M-1.Main Board" for part numbers.     |
| Opt.Drive     | Super Multi +/- DL<br>A-1156-463-A<br>ASSY ODD PANA(HMDL)(W)           | Super Multi +/- DL<br>A-1156-462-A<br>ASSY ODD PANA(HMDL)(G)         | Combo<br>A-1127-956-A<br>ASSY ODD QSI(SBW 243)(W)                      | Combo<br>A-1127-957-A<br>ASSY ODD QSI(SBW 243)(G)                     | DVD-ROM<br>A-1127-958-A<br>ASSY ODD Toshiba(C2732)(W) | DVD-ROM<br>A-1127-959-A<br>ASSY ODD Toshiba(C2732)(G) |
| W-LAN         | 802.11b(g)(int)l<br>1-781-864-611-621-631-64<br>WIRELESS LAN CARD      | 802.11b(g)(Ambit)<br>1-789-014-221-23<br>WIRELESS LAN CARD           | None   |   |   |   |
| Office        | 2003 Personal  | None   |  |   |   |   |
| Other Option  | Memory card adapter<br>1-478-615-11<br>MEMORY CARD ADAPTER             |  |  |   |   |   |
| CHASSIS COLOR | White  | Gray   |  |   |   |   |

Model name:VGN-FS790P  
Model number:PCG-7D1L(802.11a/b/g),PCG-7D2L(802.11b/g)  
OS:WinXP Pro

|   |   |   |   |  |  |   |
|---|---|---|---|--|--|---|
| CPU   | Pentium-M 780<br>E-708-473-01<br>CPU PM 2.26                            | Pentium-M 770<br>E-707-261-01<br>CPU PM 2.13                    | Pentium-M 760<br>E-707-260-01<br>CPU PM2.0            | Pentium-M 750<br>E-707-259-01<br>CPU PM 1.86             | Pentium-M 740<br>E-707-238-01<br>CPU PM 1.73             | Celeron-M 370J<br>E-708-558-01<br>CPU CEL-M 1.5       |
| HDD   | 120GB<br>ASSY HDD 120GB   | 100GB<br>ASSY HDD 100GB   | 80GB<br>ASSY HDD 80GB                                 | 60GB<br>ASSY HDD 60GB                                    | 40GB<br>ASSY HDD 40GB                                    | Note: Refer to "H-1.HDD" for part numbers.            |
| LCD   | 15.4WXGA/High Brightness<br>A-1133-649-A<br>ASSY LCD (BR-WLAN)(Q)(S)(W) | 15.4WXGA/ClearBlack<br>A-1133-651-A<br>ASSY LCD (HC-WLAN)(S)(W) |   |  |  |   |
| Graphics  | NV44M   | 915GM   | 910GML  |  |  |   |
| Memory  | 1024MB*1  | 1024MB*2  | 256MB*1   | 256MB*2  | 512MB*1  | 512MB*2   |
| Note: Refer to "M-1.Main Board" for part number |   |   |   |  |  |   |
| Opt.Drive                                       | Combo<br>A-1127-956-A<br>ASSY ODD QSI(SBW 243)(W)                       | DVD+RW<br>A-1127-951-A<br>ASSY ODD SONY(DVD+R)(RW)(W)           | DVD-ROM<br>A-1127-989-A<br>ASSY ODD Toshiba(C2732)(W) | DVD+RW<br>A-1152-205-A<br>ASSY ODD Pioneer(DVD+R)(RW)(W) | DVD+RW<br>A-1127-953-A<br>ASSY ODD Pioneer(DVD+R)(RW)(W) | DVD+RW<br>A-1152-207-A<br>ASSY ODD PANA(DVD+R)(RW)(W) |
| W-LAN   | 802.11b(g/ntel)<br>1-761-864-01<br>WIRELESS LAN CARD                    | 802.11a/b/g<br>1-789-095-51<br>WIRELESS LAN CARD                |   |  |  |   |
| CHASSIS COLOR                                   | White   |   |   |  |  |   |

Model name:VGN-FS790B  
Model number:PCG-7D1L(802.11a/b/g),PCG-7D2L(802.11b/g)  
OS:WinXP Pro

|   |   |   |   |  |  |   |
|---|---|---|---|--|--|---|
| CPU   | Pentium-M 780<br>E-707-473-01<br>CPU PM 2.26                            | Pentium-M 770<br>E-707-261-01<br>CPU PM 2.13                    | Pentium-M 760<br>E-707-260-01<br>CPU PM2.0            | Pentium-M 750<br>E-707-259-01<br>CPU PM 1.86             | Pentium-M 740<br>E-707-238-01<br>CPU PM 1.73             | Celeron-M 370J<br>E-708-558-01<br>CPU CEL-M 1.5       |
| HDD   | 120GB<br>ASSY HDD 120GB   | 100GB<br>ASSY HDD 100GB   | 80GB<br>ASSY HDD 80GB                                 | 60GB<br>ASSY HDD 60GB                                    | 40GB<br>ASSY HDD 40GB                                    | Note: Refer to "H-1.HDD" for part numbers.            |
| LCD   | 15.4WXGA/High Brightness<br>A-1133-649-A<br>ASSY LCD (BR-WLAN)(Q)(S)(W) | 15.4WXGA/ClearBlack<br>A-1133-651-A<br>ASSY LCD (HC-WLAN)(S)(W) |   |  |  |   |
| Graphics  | NV44M   | 915GM   | 910GML  |  |  |   |
| Memory  | 1024MB*1  | 1024MB*2  | 256MB*1   | 256MB*2  | 512MB*1  | 512MB*2   |
| Note: Refer to "M-1.Main Board" for part number |   |   |   |  |  |   |
| Opt.Drive                                       | Combo<br>A-1127-956-A<br>ASSY ODD QSI(SBW 243)(W)                       | DVD+RW<br>A-1127-951-A<br>ASSY ODD SONY(DVD+R)(RW)(W)           | DVD-ROM<br>A-1127-989-A<br>ASSY ODD Toshiba(C2732)(W) | DVD+RW<br>A-1152-205-A<br>ASSY ODD Pioneer(DVD+R)(RW)(W) | DVD+RW<br>A-1127-953-A<br>ASSY ODD Pioneer(DVD+R)(RW)(W) | DVD+RW<br>A-1152-206-A<br>ASSY ODD FANA(DVD+R)(RW)(W) |
| W-LAN   | 802.11b(g/nite)<br>1-761-864-01<br>WIRELESS LAN CARD                    | 802.11a/b/g<br>1-789-095-51<br>WIRELESS LAN CARD                |   |  |  |   |
| CHASSIS COLOR                                   | White   |   |   |  |  |   |

Model name:VGN-FS790  
Model number:PCG-7D1L(802.11a/b/g),PCG-7D2L(802.11b/g)  
OS:WinXP Home

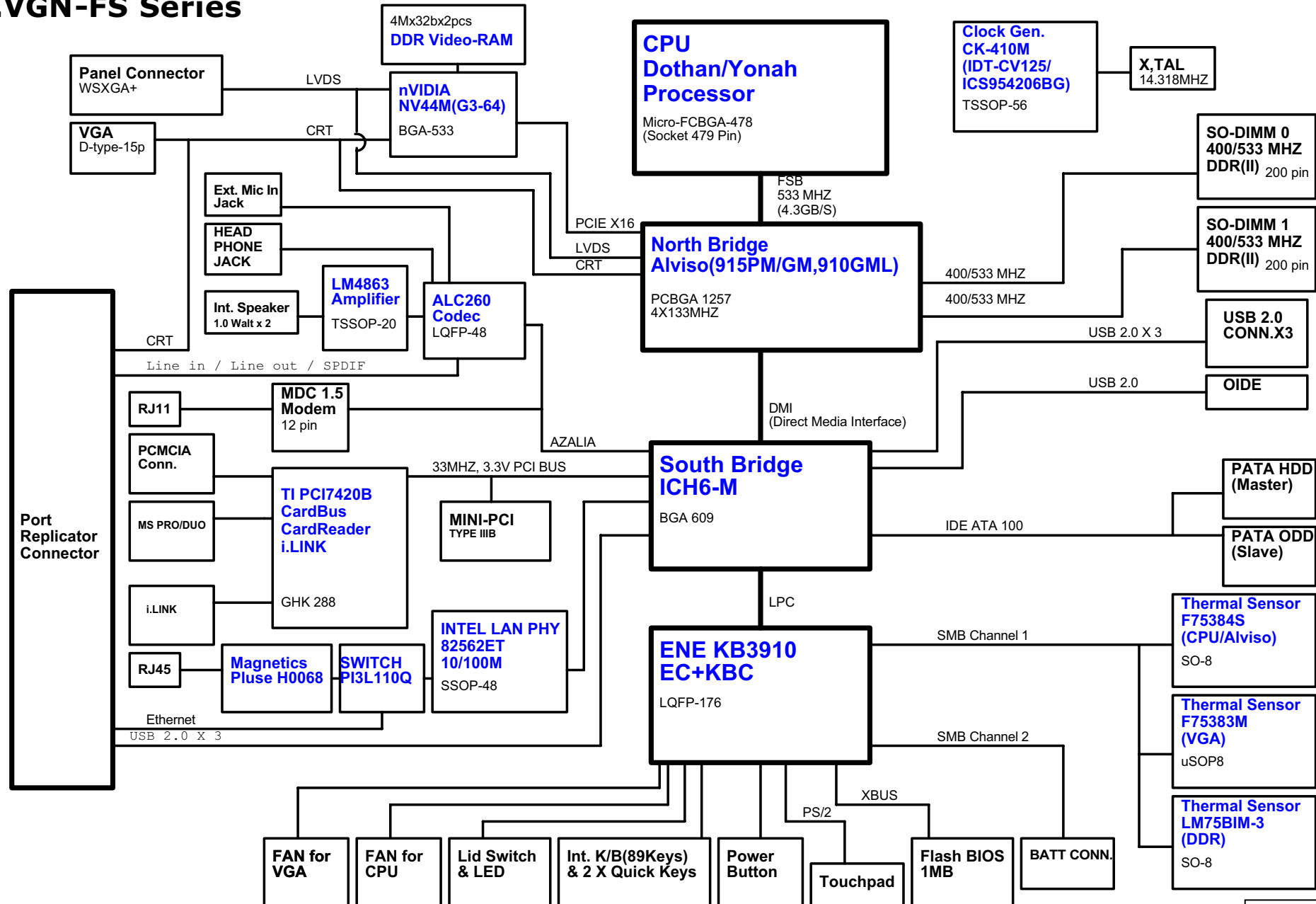
|   |   |   |   |   |   |  |
|---|---|---|---|---|---|--|
| CPU   | Pentium-M 780<br>E-707-473-01<br>CPU PM 2.26                            | Pentium-M 770<br>E-707-261-01<br>CPU PM 2.13                    | Pentium-M 760<br>E-707-260-01<br>CPU PM2.0            | Pentium-M 750<br>E-707-259-01<br>CPU PM 1.86            | Pentium-M 740<br>E-707-238-01<br>CPU PM 1.73            | Celeron-M 370J<br>E-708-558-01<br>CPU CEL-M 1.5      |
| HDD   | 120GB<br>ASSY HDD 120GB   | 100GB<br>ASSY HDD 100GB   | 80GB<br>ASSY HDD 80GB                                 | 60GB<br>ASSY HDD 60GB                                   | 40GB<br>ASSY HDD 40GB                                   | Note: Refer to "H-1.HDD" for part numbers.           |
| LCD   | 15.4WXGA/High Brightness<br>A-1133-649-A<br>ASSY LCD (BR-WLAN)(Q)(S)(W) | 15.4WXGA/ClearBlack<br>A-1133-651-A<br>ASSY LCD (HC-WLAN)(S)(W) |   |   |   |  |
| Graphics  | NV44M   | 915GM   | 910GML  |   |   |  |
| Memory  | 1024MB*1  | 1024MB*2  | 256MB*1   | 256MB*2   | 512MB*1   | 512MB*2  |
| Note: Refer to "M-1.Main Board" for part number |   |   |   |   |   |  |
| Opt.Drive                                       | Combo<br>A-1127-956-A<br>ASSY ODD QSI(SBW 243)(W)                       | DVD+RW<br>A-1127-951-A<br>ASSY ODD SONY(DVD+R)(RW)(W)           | DVD-ROM<br>A-1127-989-A<br>ASSY ODD Toshiba(C2732)(W) | DVD+RW<br>A-1152-205-A<br>ASSY ODD Pioneer(DVD+R)(W)(W) | DVD+RW<br>A-1127-953-A<br>ASSY ODD Pioneer(DVD+R)(W)(W) | DVD+RW<br>A-1152-207-A<br>ASSY ODD PANA(DVD+R)(W)(W) |
| W-LAN   | 802.11b(g/Intel)<br>1-761-864-01<br>WIRELESS LAN CARD                   | 802.11a/b/g<br>1-789-095-51<br>WIRELESS LAN CARD                |   |   |   |  |
| CHASSIS COLOR                                   | White   |   |   |   |   |  |

Model name:VGN-FS790BH  
Model number:PCG-7D1L(802.11a/b/g),PCG-7D2L(802.11b/g)  
OS:WinXP Home

|   |   |   |   |  |  |   |
|---|---|---|---|--|--|---|
| CPU   | Pentium-M 780<br>E-707-473-01<br>CPU PM 2.26                            | Pentium-M 770<br>E-707-261-01<br>CPU PM 2.13                    | Pentium-M 760<br>E-707-260-01<br>CPU PM2.0            | Pentium-M 750<br>E-707-259-01<br>CPU PM 1.86             | Pentium-M 740<br>E-707-238-01<br>CPU PM 1.73             | Celeron-M 370J<br>E-708-558-01<br>CPU CEL-M 1.5       |
| HDD   | 120GB<br>ASSY HDD 120GB   | 100GB<br>ASSY HDD 100GB   | 80GB<br>ASSY HDD 80GB                                 | 60GB<br>ASSY HDD 60GB                                    | 40GB<br>ASSY HDD 40GB                                    | Note: Refer to "H-1.HDD" for part numbers.            |
| LCD   | 15.4WXGA/High Brightness<br>A-1133-649-A<br>ASSY LCD (BR-WLAN)(Q)(S)(W) | 15.4WXGA/ClearBlack<br>A-1133-651-A<br>ASSY LCD (HC-WLAN)(S)(W) |   |  |  |   |
| Graphics  | NV44M   | 915GM   | 910GML  |  |  |   |
| Memory  | 1024MB*1  | 1024MB*2  | 256MB*1   | 256MB*2  | 512MB*1  | 512MB*2   |
| Note: Refer to "M-1.Main Board" for part number |   |   |   |  |  |   |
| Opt.Drive                                       | Combo<br>A-1127-956-A<br>ASSY ODD QSI(SBW 243)(W)                       | DVD+RW<br>A-1127-951-A<br>ASSY ODD SONY(DVD+R)(RW)(W)           | DVD-ROM<br>A-1127-989-A<br>ASSY ODD Toshiba(C2732)(W) | DVD+RW<br>A-1152-205-A<br>ASSY ODD Pioneer(DVD+R)(RW)(W) | DVD+RW<br>A-1127-953-A<br>ASSY ODD Pioneer(DVD+R)(RW)(W) | DVD+RW<br>A-1152-207-A<br>ASSY ODD PANA(DVD+R)(RW)(W) |
| W-LAN   | 802.11b(g/ntel)<br>1-761-864-01<br>WIRELESS LAN CARD                    | 802.11a/b/g<br>1-789-095-51<br>WIRELESS LAN CARD                |   |  |  |   |
| CHASSIS COLOR                                   | White   |   |   |  |  |   |

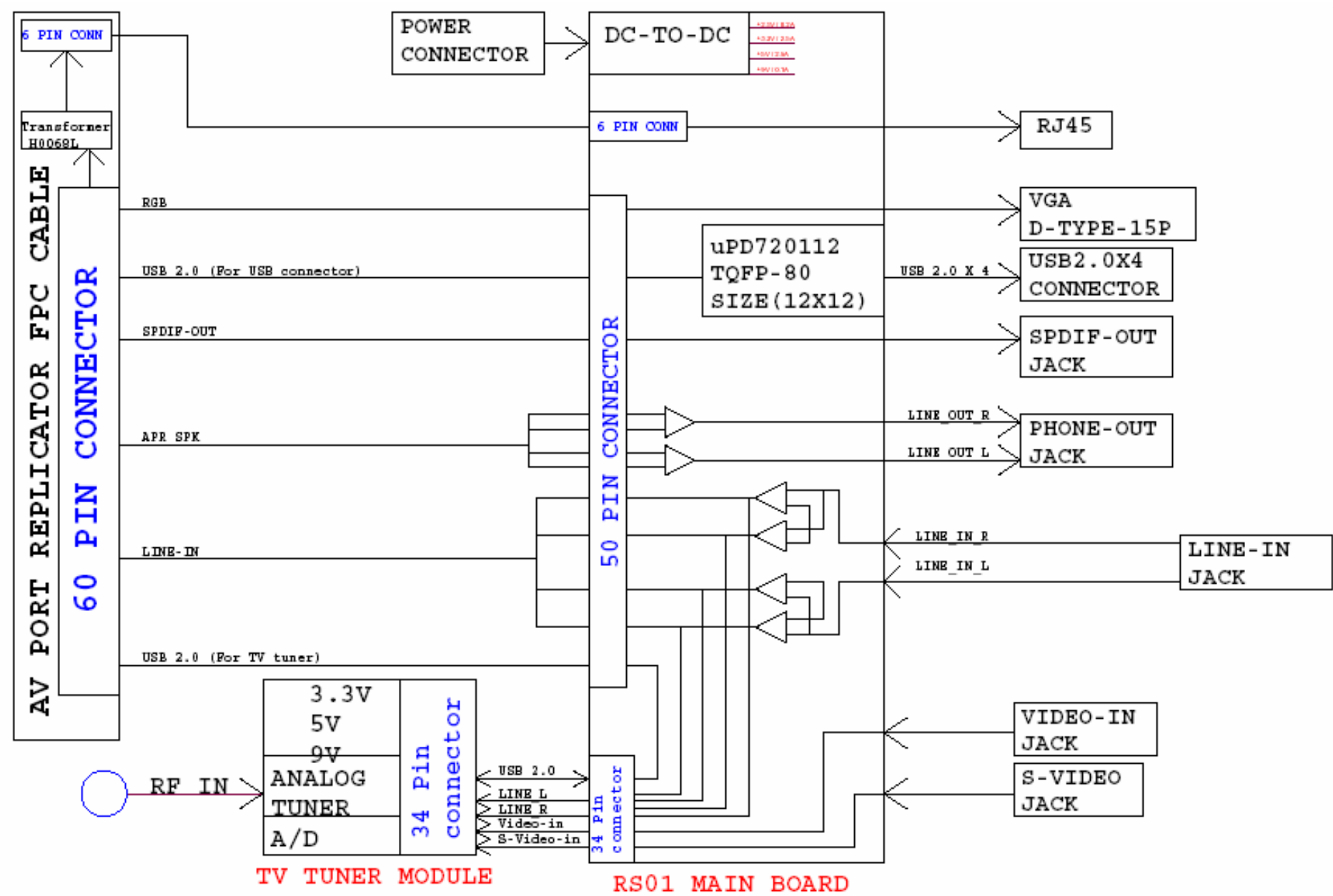
# CHAPTER2. BLOCK DIAGRAM

## 2-1.VGN-FS Series



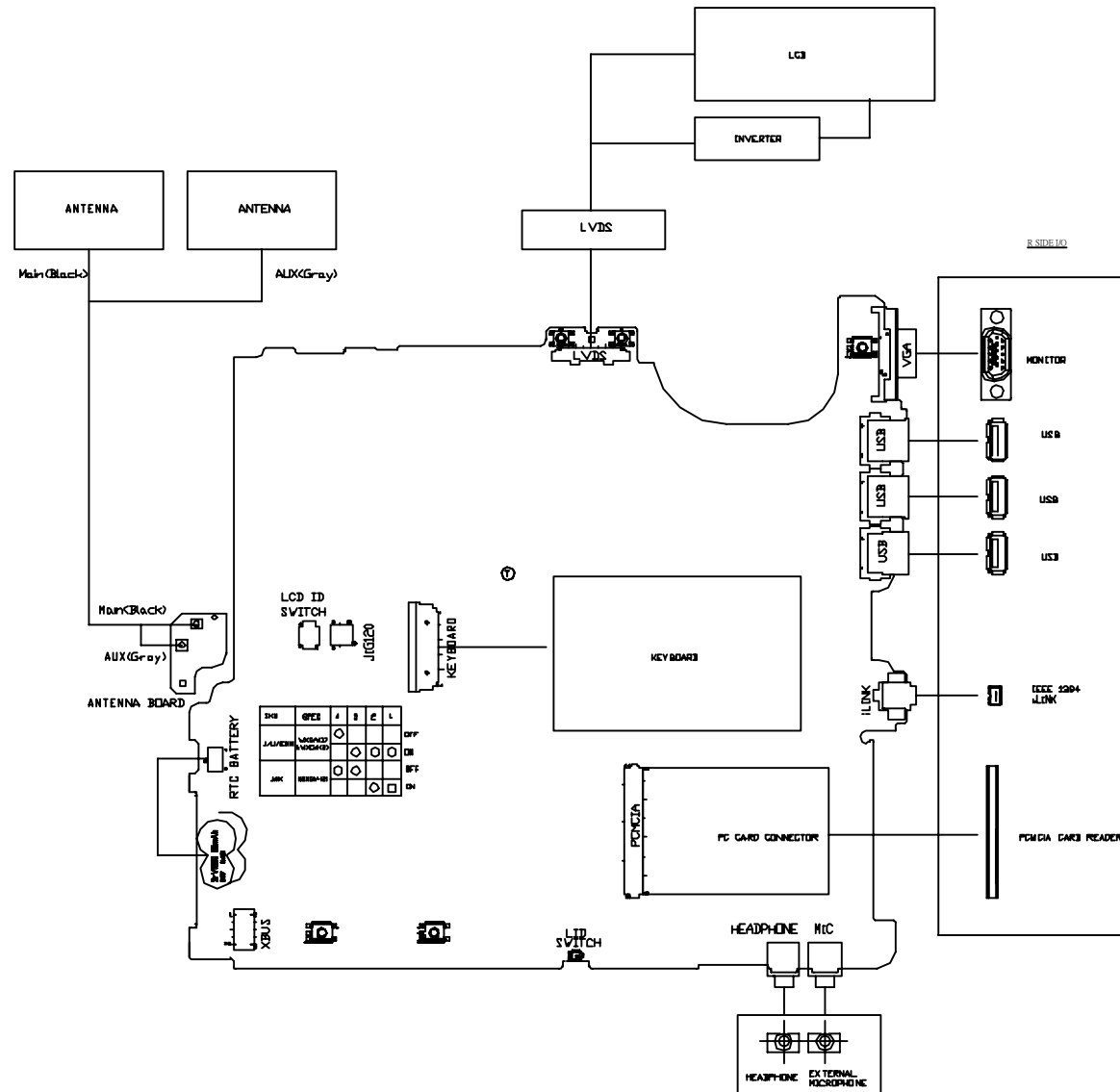


2-2. Port Replicator (VGP-PRFS10V)

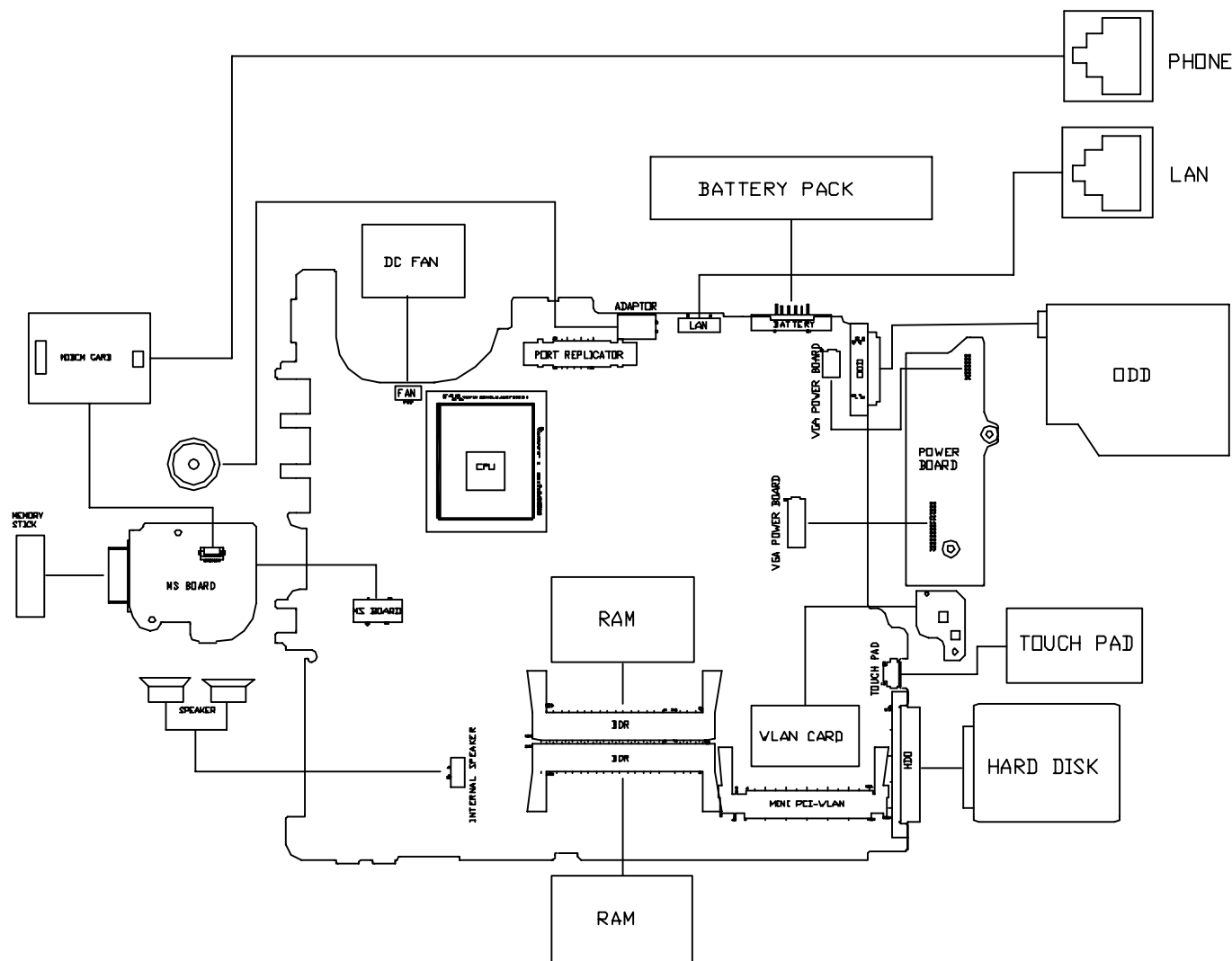


# CHAPTER3. FRAME HARNESS DIAGRAM

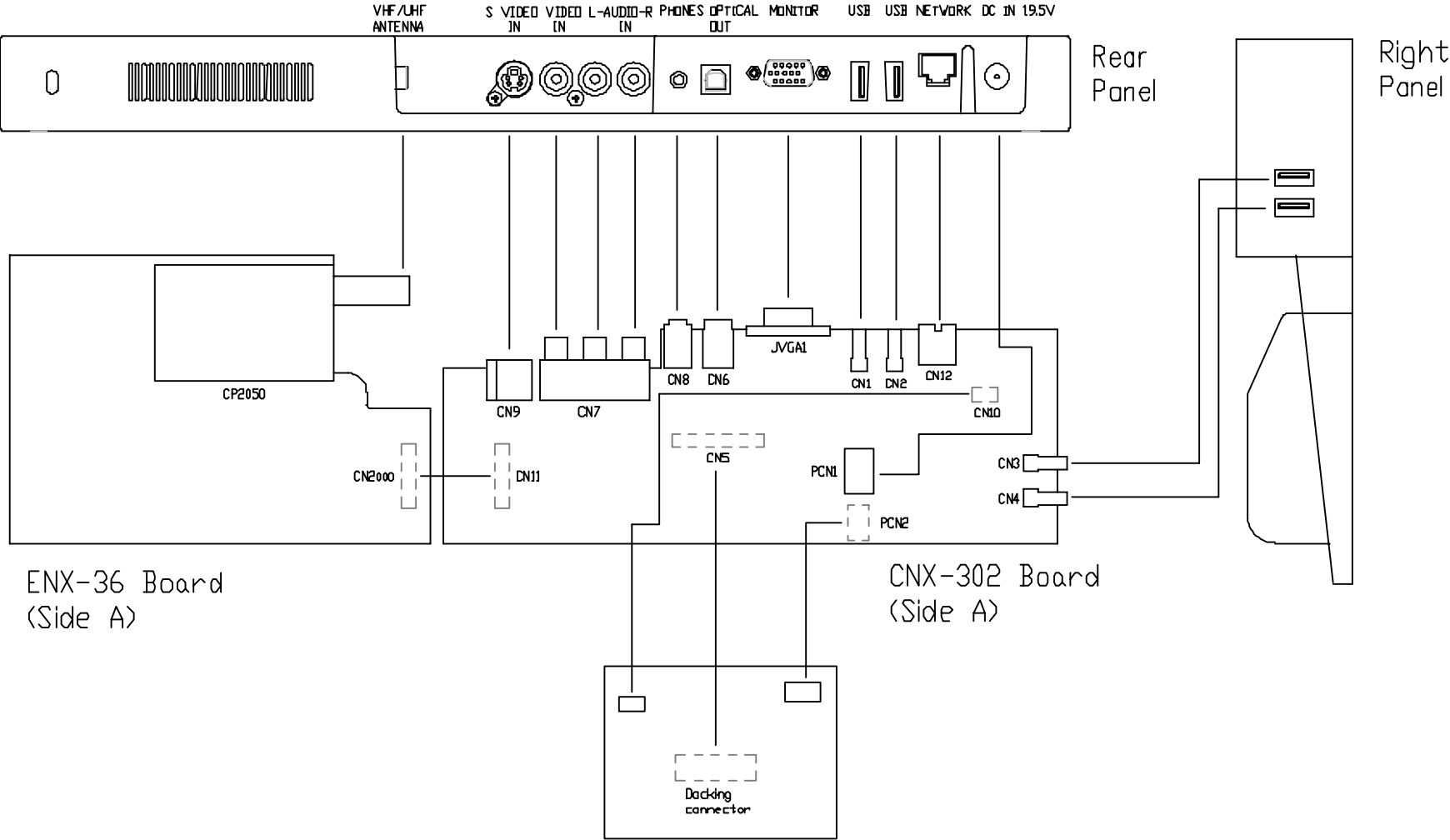
## 3-1 VGN-FS Series (TOP)



3-1 VGN-FS Series (BOTTOM)



### 3-2 Port Replicator (VGP-PRFS10V)



# CHAPTER 4

## EXPLODED VIEWS AND PARTS LIST

· The parts id compiled by blocks of a Palmrest and bottom etc.  
The sections of the parts list are different depending on the model.  
Please refer to list of contents shown in the below.

### Section Page

#### Screws

S-1.Screws..... 4-2

#### Palmrest

P-1.Palmrest..... 4-3

#### Main Board

M-1.Main Board..... 4-5

#### BOTTOM

B-1.BOTTOM..... 4-7

#### CABINET KBCOVER

C-1.CABINET KBCOVER..... 4-9

#### LCD

L-1.LCD..... 4-10

#### ODD

D-1.ODD ..... 4-13

#### HDD

H-1.HDD..... 4-14

#### ACCESSORIES

A-1.ACCESSORIES..... 4-15

A-2.ACCESSORIES..... 4-18



#### SUBSTITUTION PARTS LIST

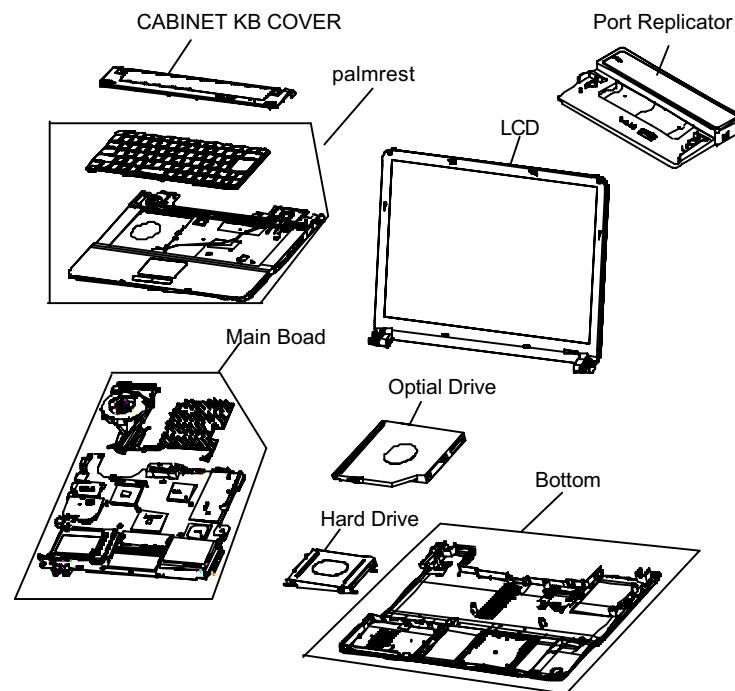
T-1.SUBSTITUTION PARTS LIST..... 4-20

**DIP Switch**..... 4-22

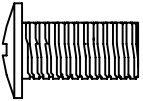






#### NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- When two or more parts are shown, use the part described first as the main part.
- The parts marked "&" are the "Customer Replacable Parts(CRP)" that can be replaced by Filed Customer Support. Especially the parts with the <&> mark require the special attention to use them. Here fore, check first whether the desired part is one of the targetted parts of the Customer Replacable Parts(CRP), or the non-targetted parts by referring to the exploded view.

The components identified by mark  or dotted line with mark  are critical for safely.  
Replace only with part number specified.

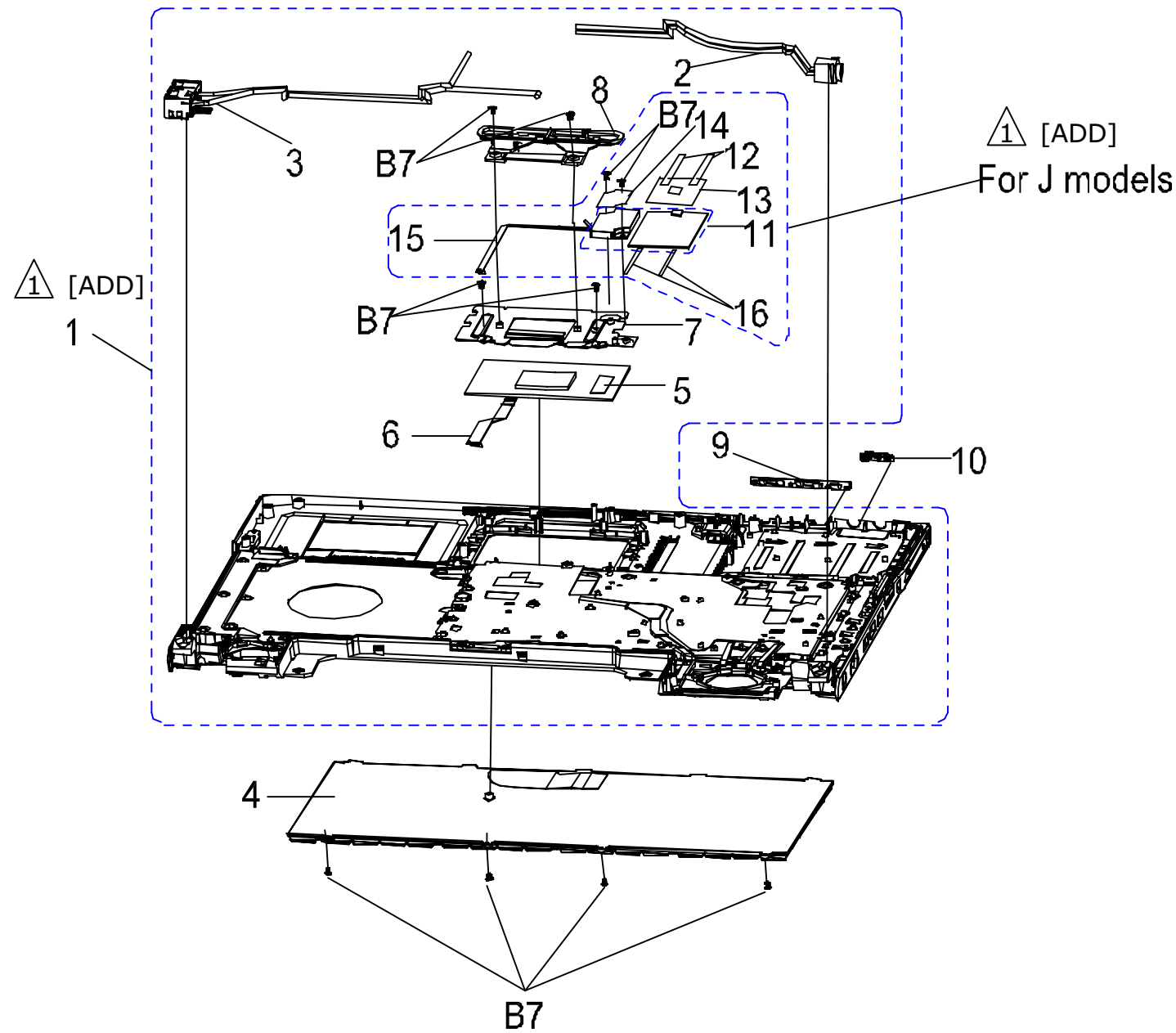


S-1. SCREWS

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| B1  | B2  | B3  | B4  | B5  | B6  | B7  |
|  |  |  |  |  |  |  |
| M3*6  | M2*1.6  | M2*7  | M2*5  | M3*3  | M2*2  | M2*3  |
| Black   | Black   | Black   | Silver  | Silver  | Silver  | Black   |

| <u>Ref.No.</u> | <u>Part No</u> | <u>Description</u>              |
|----------------|----------------|---------------------------------|
| B1             | 4-654-811-01   | SCREW M3                        |
| B2             | 2-582-816-01   | APPEARANCE SCREW M2             |
| B3             | 2-590-600-01   | SCREW (M2), EXTERIOR VIEW       |
| B4             | 4-645-214-61   | GRIP, M2                        |
| B5             | 4-673-018-02   | SCREW, SPECIAL HEAD             |
| B6             | 4-671-538-01   | SCREW, SPECIAL HEAD             |
| B7             | 4-672-836-01   | SCREW, M2 SPECIAL HEAD, EG GRIP |

P-1. Palmrest



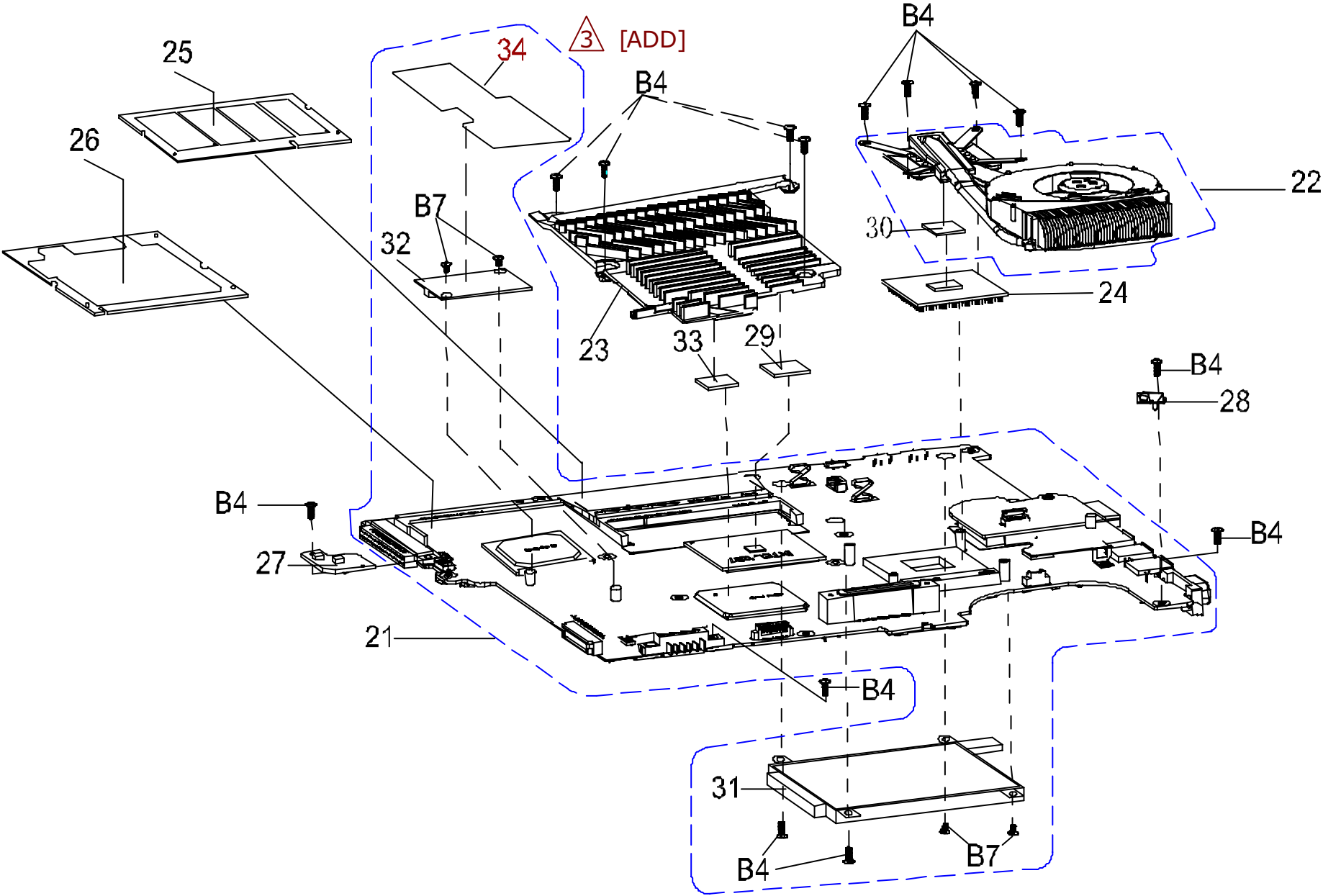
**P-1**

[illegible]



# M-1. Main Board

M-1



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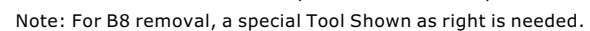
**M-1**

3 [ADD]

[illegible]

2  
[MA]

**B-1**

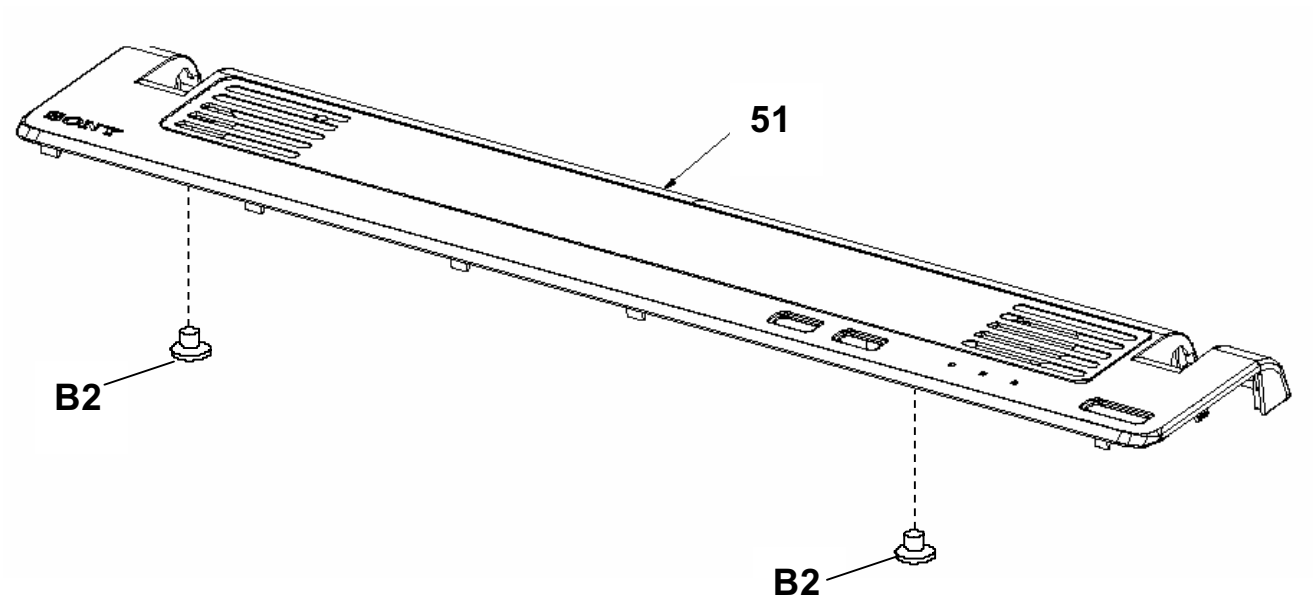


## B-1

[illegible]
$$\frac{\Delta}{[MA]}$$

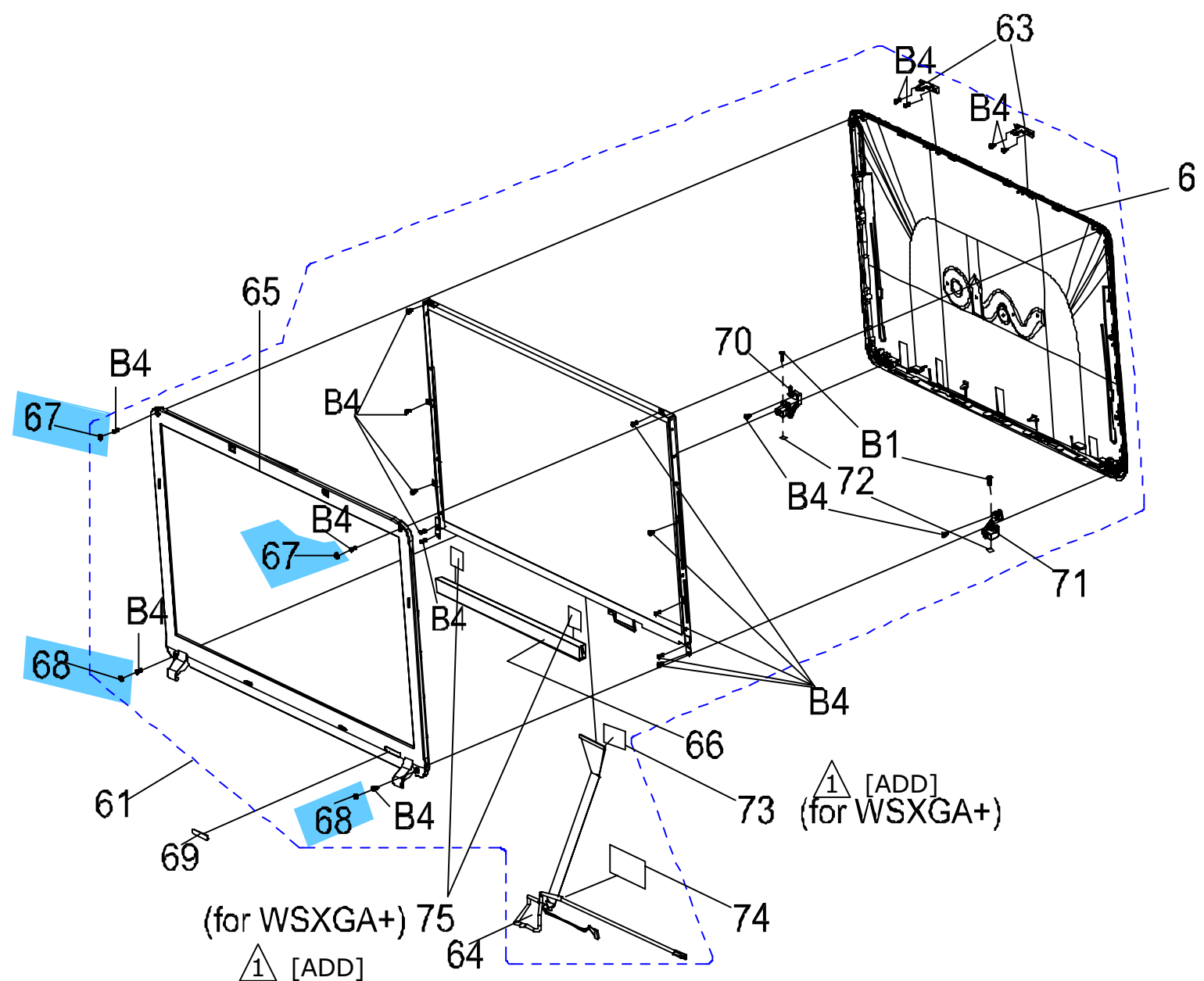
C-1. CABINET KBCOVER

C-1



| <u>Ref.No.</u> | <u>Part No.</u> | <u>Description</u>        |
|----------------|-----------------|---------------------------|
| 51             | X-2102-593-1    | MS02 ASSY CABINET KBCOVER |
| B2             | 2-582-816-01    | APPEARANCE SCREW M2       |

Sony Confidential



**L-1**

Type QDI (rear view)

$$\frac{[MA]}{[M]_0} = \frac{1}{2}$$

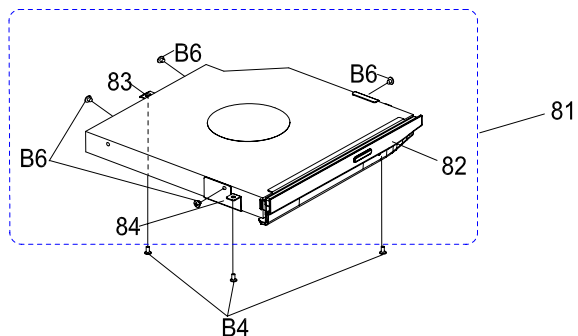
[illegible]

2  
[MA]



| <u>Ref.No.</u> | <u>Part No.</u> |
|----------------|-----------------|
|----------------|-----------------|

### Description

[illegible]

[MA]

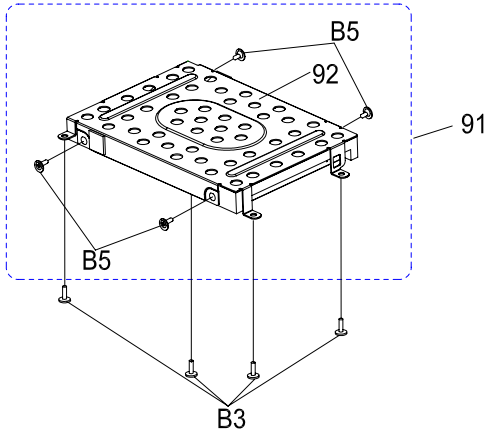
2  
[MA]

# H-1.HDD

| Ref.No. | Part No. |
|---------|----------|
|---------|----------|

### Description

|    |              |                           |
|----|--------------|---------------------------|
| 92 | A-1092-487-A | MS01 SUBASSY HDD BRACKET  |
| B3 | 2-590-600-01 | SCREW (M2), EXTERIOR VIEW |
| B5 | 4-673-018-02 | SCREW, SPECIAL HEAD       |



\*: CTO Model

[illegible]
$$\begin{array}{c} \triangle 2 \\ [MA] \end{array}$$
$$\frac{\Delta}{[MA]}$$

# A-1. ACCESSORIES

**A-1**

2001  
Memory Card Adapter



2006  
AC Adapter



2031  
SPEAKER



2035  
RAY-CATCHER



2004  
Floppy Disk Drive



2007  
Battery Pack



2032  
Adapter, AC (SPEAKER)



2036  
REMOTE COMMANDER



2005  
Power Cord



2030  
Port Replicator



2034  
CORD, POWER (SPEAKER)



2037  
RFCORD WITH F TERMINAL



Refer to A -2 . Accessories

- 1) The Ref. 2030-2037 are included only in the models supplied with the Port Replicator.

# A-1

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**A-1**

Diagram illustrating the structure of the  $\mathbf{MA}$  matrix, showing two columns labeled  $\mathbf{MA}$  and  $\mathbf{MA}$ , with corresponding rows labeled  $\mathbf{MA}$  and  $\mathbf{MA}$ .

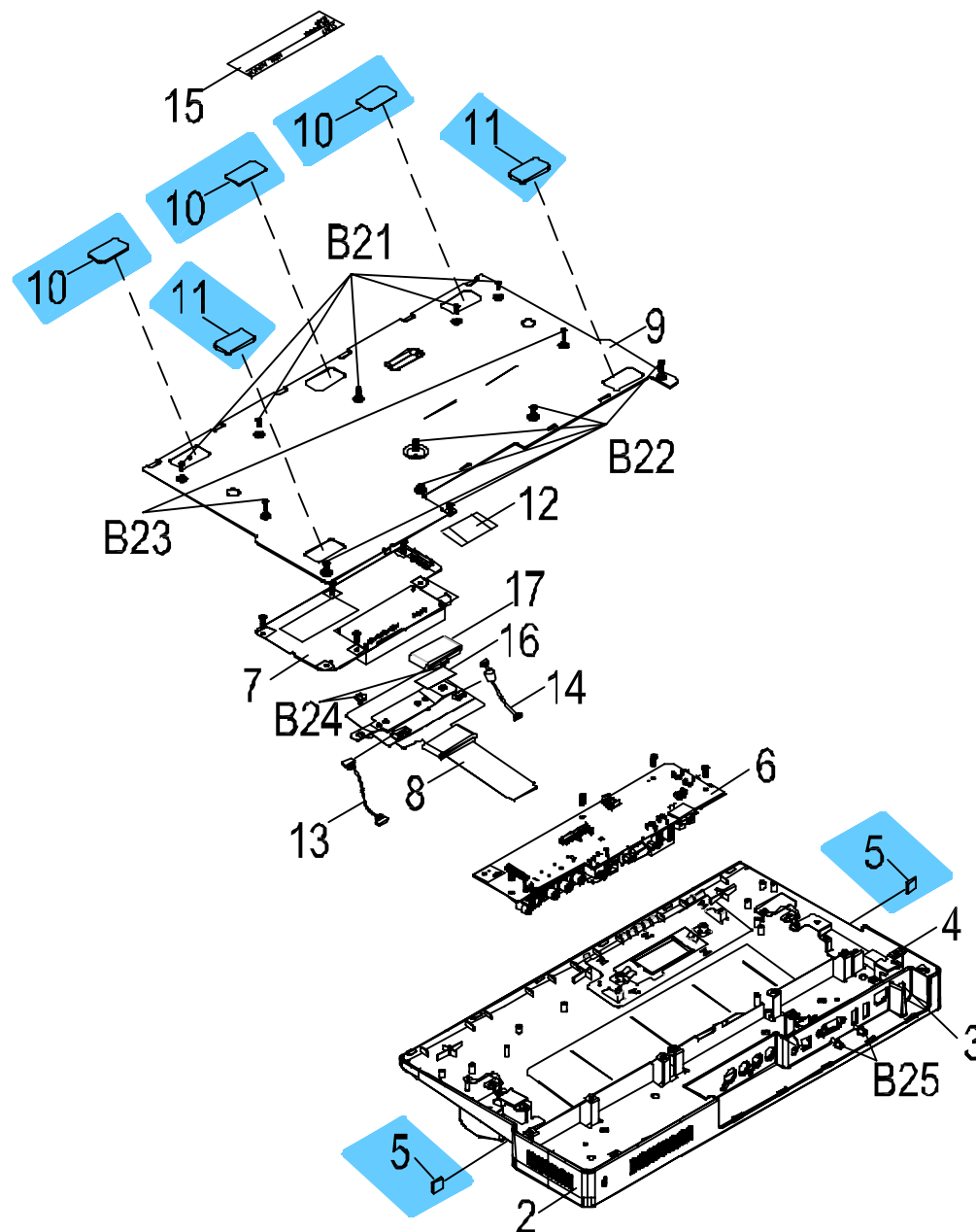
# A-2. ACCESSORIES

A-2

B20

|   |        |
|---|--------|
| B21   | M3*8   |
|  | Black  |
| B22   | M2*6   |
|  | Black  |
| B23   | M2*8   |
|  | Black  |
| B24   | M3*5   |
|  | Black  |
| B25   | M2*2   |
|  | Silver |

Note: Screw are supplied with B20,a whole set



**A-2**

[illegible]
$$\frac{[MA]}{[MA]_0}$$

# T-1

Please order below substitution parts if the parts with the same Ref. No. in page 4-2 to 4-17 are not available.

[illegible]
























































**T-1**

[illegible]
$$\frac{[MA]}{[MA]_0}$$

# [CHG] **DIP Switch**

The DIP switch setting is following table.

|    |   |  |  |   |  |   |  |  |
|----|---|--|--|---|--|---|--|--|
| J  | VGN-FS52B<br>  | VGN-FS22B<br>                 | VGN-FS32B<br>   | VGN-FS22VB<br>                 | VGN-FS92S<br>   | VGN-FS92PS*/FS92S*<br> |  |  |
| AM | VGN-FS780<br>  | VGN-FS760P<br>                | VGN-FS740<br><br>(QDI) (CPT)  | VGN-FS720<br><br>(QDI) (CPT)   | VGN-FS775P<br>  | VGN-FS745P<br>         | VGN-FS770<br>                   | 15.4inch WSXGA +(HC)<br>            |
|    | VGN-FS750P<br>   | VGN-FS730<br><br>(QDI) (CPT)  | VGN-FS715  [MA]<br><br>(QDI) (CPT) | VGN-FS742<br>                  | VGN-FS710  [MA]<br><br>(QDI) (CPT) | VGN-FS770FG<br>        | VGN-FS750F<br><br>(QDI) (CPT)   | 15.4inch WXGA(HC)<br>               |
|    | VGN-FS730F<br><br>(QDI) (CPT)                          | VGN-FS715F<br><br>(QDI) (CPT) | VGN755FG<br><br>(QDI) (CPT)   | VGN-FS740FP<br><br>(QDI) (CPT) | VGN-FS710FP<br><br>(QDI) (CPT)  | VGN-FS740<br>          | <br>(QDI) (CPT)                 |  |
|    | VGN-FS790P*/FS790B*/FS790*/FS790BH*<br><br>(QDI) (CPT) |  |  |   |  |   |  | 15.4inch WXGA(QDI)<br>              |
| EU | VGN-FS315Z<br>  | VGN-FS395VP<br>              | VGN-FS315M<br>   | VGN-FS315B<br>                | VGN-FS315E<br>   | VGN-FS315SR<br>       | VGN-FS315MR<br>                |  |
|    | VGN-FS315H<br>                                       | VGN-FS315S<br>              |  |   |  |   |  | 15.4inch WXGA(CPT)<br>            |
| AO | VGN-FS3RC<br>  | VGN-FS35C<br>               | VGN-FS38GP<br>  | VGN-FS38SP<br>               | VGN-FS38LP<br>  | VGN-FS38TP<br>       | VGN-FS35GP<br><br>(QDI) (CPT) |  |
|    | VGN-FS35SP<br><br>(QDI) (CPT)                        | VGN-FS38LP<br>              | VGN-FS38TP<br>  |   |  |   |  | Note: When replacing LCD from CPT to QDI, please change the DIP switch from 15.4inch WXGA(CPT) to 15.4inch WXGA (QDI). |

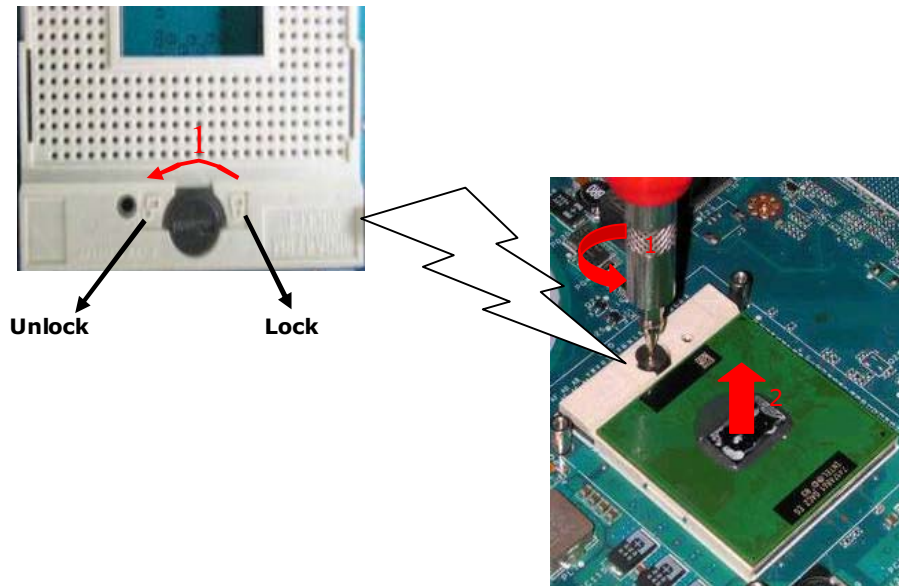
The DIP switch setting is different depending the types of LCD.  
Set the DIP switch of CTO model in accordance with the [FOR CTO MODEL].

## CHAPTER 5. OTHERS

### 5-1.Replacing the CPU

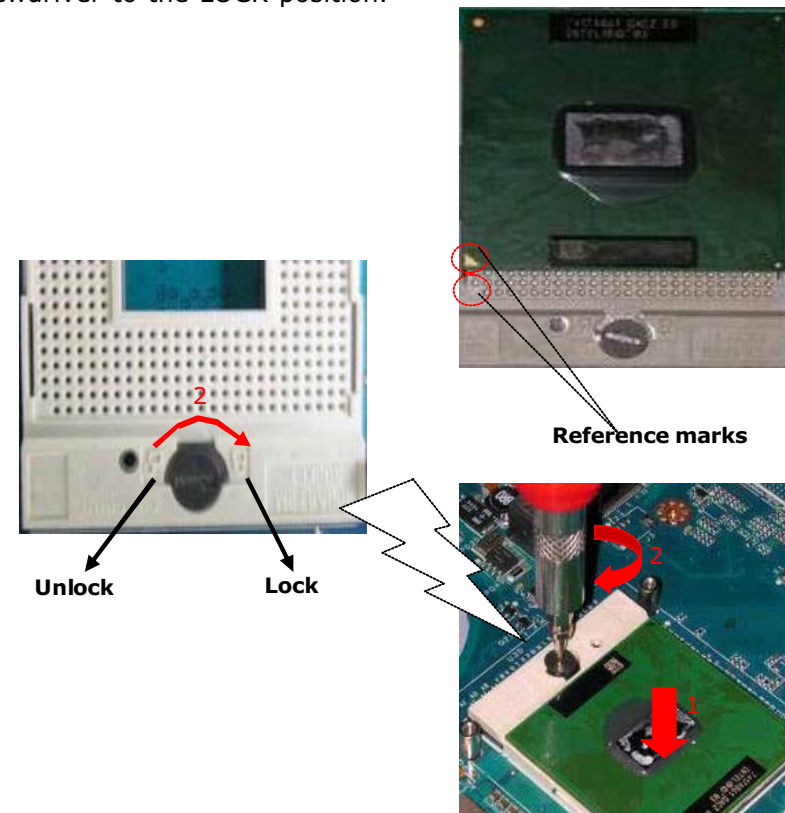
#### 1. Removing the CPU

1. Insert a flat-blade screwdriver into the notch as shown illustration and rotate it so that the protrusion comes to the lock release position.
2. Pull the CPU gently upward to lift it out of the CPU socket



#### 2. Installing the CPU

1. Align the triangle reference mark of the mark the CPU with that of the CPU socket and insert all the pins of the CPU to the corresponding holes of the CPU socket.
2. Insert the flat head (-) screwdriver into the specified position and rotate the screwdriver to the LOCK position.



## 5-2. Wiring the W-LAN Cable

\* The MS02 PWA ANTENNA is installed also in the models without Wireless LAN.  
Refer to the instruction below to see how to wire the CABLE.





Using KAPTION TAPE to secure the Cable.



VGN- FS52B/FS22B/FS32B/FS22VB/FS92S/FS92PS/FS92S (J)  
VGN- FS780/FS760/FS740/FS720/FS775P/FS745P/FS770/FS750P/FS730/FS715/FS742/FS710/FS770FG/FS750F/ FS730F/FS715F/FS755FP/FS740FP/FS710FP/FS760Q/FS740Q/FS790P/FS790B/FS790/FS790BH (AM)  
VGN- FS315Z/FS395VP/FS315M/FS315B/FS315E/FS315SR/FS315MR/FS315H/FS315S (EU)  
VGN- FS38C/FS35C/FS38GP/FS38SP/FS38LP/FS38TP/FS35GP/FS35SP/FS35LP/FS35TP (AO)

## List of VGN-F Series (As of Nov, 2005 )

| Service Manual<br><br>Part No. | Model Name |             |   |            |             |   |             |             |             |             |             |            |            |            |            |
|--------------------------------|------------|-------------|---|------------|-------------|---|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|------------|
|                                | J          |             |   | AM         |             |   |             | EU          |             |             | AO          |            |            |            |            |
| 9-876-414-XX                   | VGN-FS70B  | VGN-FS20    |   | VGN-FS570  | VGN-FS540P  | VGN-FS500   | *           | VGN-FS550F  | VGN-FS195XP | VGN-FS115M  | VGN-FS115B  | VGN-FS18CP | VGN-FS18SP | VGN-FS15GP | VGN-FS15TP |
|                                | VGN-FS50B  | VGN-FS90PS  | * | VGN-FS550  | VGN-FS530B  | VGN-FS500P  | *           |             | VGN-FS115Z  | VGN-FS115E  | VGN-FS115ZR | VGN-FS15C  | VGN-FS18LP | VGN-FS15SP |            |
|                                | VGN-FS30B  | VGN-FS90S   | * | VGN-FS550P | VGN-FS520B  | VGN-FS500B  | *           |             | VGN-FS115S  | VGN-FS195VP | VGN-FS115MR | VGN-FS18GP | VGN-FS18TP | VGN-FS15LP |            |
| 9-876-425-XX                   | VGN-FS71B  | VGN-FS21    |   | VGN-FS680  | VGN-FS645P  | VGN-FS640FP   |             | VGN-FS690   | VGN-FS295XP | VGN-FS215MR |             | VGN-FS28C  | VGN-FS28TP |            |            |
|                                | VGN-FS51B  | VGN-FS91PS  | * | VGN-FS660P | VGN-FS670FG | VGN-FS610FP   |             |             | VGN-FS215Z  | VGN-FS285M  |             | VGN-FS25C  | VGN-FS25GP |            |            |
|                                | VGN-FS31B  | VGN-FS91PSY | * | VGN-FS660  | VGN-FS650F  | VGN-FS620P  |             |             | VGN-FS215M  | VGN-FS285B  |             | VGN-FS28GP | VGN-FS25SP |            |            |
|                                | VGN-FS21B  | VGN-FS91S   | * | VGN-FS640  | VGN-FS630F  | VGN-FS620   |             |             | VGN-FS295VP | VGN-FS285E  |             | VGN-FS28SP | VGN-FS25LP |            |            |
|                                |            |             |   | VGN-FS675P | VGN-FS615F  | VGN-FS630   |             |             | VGN-FS215B  | VGN-FS215S  |             | VGN-FS28LP | VGN-FS25TP |            |            |
|                                |            |             |   | VGN-FS635B | VGN-FS640Q  | VGN-FS690P  | *           |             | VGN-FS215E  | VGN-FS285H  |             |            |            |            |            |
|                                |            |             |   | VGN-FS625B | VGN-FS655FP | VGN-FS690B  | *           |             | VGN-FS215SR |             |             |            |            |            |            |
| 9-876-443-XX                   | VGN-FS52B  | VGN-FS92S   |   | VGN-FS780  | VGN-FS750P  | VGN-FS730F  |             | VGN-FS790P  | VGN-FS315Z  | VGN-FS315SR |             | VGN-FS38C  | VGN-FS38TP |            |            |
|                                | VGN-FS22B  | VGN-FS92PS  | * | VGN-FS760  | VGN-FS730   | VGN-FS715F  |             | VGN-FS790B  | VGN-FS395VP | VGN-FS315MR |             | VGN-FS35C  | VGN-FS35GP |            |            |
|                                | VGN-FS32B  | VGN-FS92S   | * | VGN-FS740  | VGN-FS715   |  | VGN-FS755FP | VGN-FS790   | VGN-FS315M  | VGN-FS315H  |             | VGN-FS38GP | VGN-FS35SP |            |            |
|                                | VGN-FS22VB |             |   | VGN-FS720  | VGN-FS742   | VGN-FS740FP   |             | VGN-FS790BH | VGN-FS315B  | VGN-FS315S  |             | VGN-FS38SP | VGN-FS35LP |            |            |
|                                |            |             |   | VGN-FS775P | VGN-FS710   |  | VGN-FS710FP |             | VGN-FS315E  |             |             | VGN-FS38LP | VGN-FS35TP |            |            |
|                                |            |             |   | VGN-FS745P | VGN-FS770FG | VGN-FS760Q  |             |             |             |             |             |            |            |            |            |
|                                |            |             |   | VGN-FS770  | VGN-FS750F  | VGN-FS740Q  |             |             |             |             |             |            |            |            |            |

 \*: CTO Model  
 : Additional Model

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# Revision History

| Suffix    | Ver.  | Date       | Contents   | QM No.      |
|-----------|-------|------------|--|-------------|
| -01       | Ver.1 | 2005.09.16 | First Edition  |             |
| -02       | Ver.2 | 2005.10.03 | ① Page1-1,Page1-2, Page4-3, Page4-4,<br>Page4-6, Page4-8, Page4-10, Page4-11,<br>Page4-14, Page4-16, Page4-17, Page4-20,<br>Page4-21, Page4-22                                     | N2005_052CK |
| -03       | Ver.3 | 2005.10.11 | ② Front Page (Model Line Up), Page1-1,<br>Page4-4,Page4-6,Page4-8,Page4-11,<br>Page4-12,Page4-13,Page4-14,Page4-16,<br>Page4-17,Page4-19,Page4-20,Page4-21,<br>Page4-22,Back Cover | N2005_053AK |
| -04       | Ver.4 | 2005.11.16 | ③ Page4-4,Page4-5,Page4-6,Page4-17,<br>Page4-20  | N2005_068CK |
| <Remarks> |       |            |  |             |